



# Adult (8-, 12-, and 24-month) Vessel Painting and Perfusion Experimental DataSheet

<b>SID# or RapID#:</b>	<b>TAT#:</b>	<b>AO/PT#:</b>	<b>EXPERIMENTER:</b>	
<b>SEX: M / F</b>	<b>AGE GROUP: P17 <input type="checkbox"/> / 8 MO <input type="checkbox"/> / 12 MO <input type="checkbox"/> / OTHER <input type="checkbox"/></b>			<b>DATE:</b>
<b>GENOTYPE:</b>	<b>EXPERIMENTAL GROUP: sham <input type="checkbox"/> /sCHI <input type="checkbox"/> /rCHI <input type="checkbox"/></b>			
<b>WEIGHT (G):</b>				
<b>A) ANESTHESIA</b>		<b>C) PERFUSION</b>		
<b>Air Flow rate: 1.5L/min</b> <b>Isoflurane: 3%</b>		<b>2% Evans Blue (In Sterile Saline) (IP) volume:</b> 3 $\mu$ L/g (60mg/kg) = 50-150 $\mu$ L (If applicable) at least 2 hours before perfusion. <b>EB Injected:</b> Y / N <b>Volume Injected:</b> _____  <b>SNP+Heparin (IP) volume:</b> <ul style="list-style-type: none"> <li>• 0.02mL SNP (of a 0.735 mg/mL SNP concentrate)</li> <li>• 0.02mL Heparin (from a 1,000 units/mL concentrate)</li> </ul> <b>Pump:</b> GP1000 <b>Setting:</b> 5 = 8.4 mL/min  <b>Perfusion parameters:</b> 1X PBS perfusion for 1 minute 15 seconds 4% PFA in 1X PBS for 2 minutes 30 seconds <b>Total perfusion volume:</b> 1X PBS: 10 mL 4% PFA: 20 mL		
<b>B) SOLUTIONS</b>				
<ul style="list-style-type: none"> <li>• 4% PFA in 1X PBS (pH 7.4)</li> </ul> Date prepared: _____ Prepared by (Initials): _____ <ul style="list-style-type: none"> <li>• 1X PBS (pH 7.4)</li> </ul> Date prepared: _____ Prepared by (Initials): _____ <ul style="list-style-type: none"> <li>• SNP</li> </ul> Date prepared: _____ Prepared by (Initials): _____ <ul style="list-style-type: none"> <li>• Diluent</li> </ul> Date prepared: _____ Prepared by (Initials): _____				
<b>D) VP Administration – Adult</b>		<b>Dye Used (Circle one)</b>		
75 $\mu$ L dye + 425 $\mu$ L diluent		Dil / DiO / DiD		
Stock Dye made by: _____ Date of stock preparation: _____ Aliquot #: _____				
If applicable – <b>E) Blood collection</b>				
Blood sample collected (mL) _____				
Plasma sample ( $\mu$ L) _____				
<b>Notes:</b>				
Liver clear: Y / N    Animal Stiff? Y / N    Was Heart Mechanically Compressed: Y / N Animal Blue (if Evans Blue was injected): Y/N				
<b>Post-Perfusion Notes:</b> PFA Post-fix (1day?) Y / N    PBS washes: 3 consecutive days? Y / N    In 0.02% Sodium Azide /PBS? Y / N				